

**FREQUENCY LOOK-AHEAD AND LINK STATE
HISTORY BASED SCHEDULING IN INDOOR
WIRELESS PICO-CELLULAR NETWORKS**

ABSTRACT OF THE DISCLOSURE

5 A method and apparatus of combating the problem of interference in
master-slave time division duplex indoor wireless networks based on
standards, such as the Bluetooth™ standard, is proposed. The method involves
a frequency look-ahead scheme in frequency hopping systems, a scheme of
monitoring states of master-slave wireless communication links through
10 values recorded in link history counters, and a scheme of scheduling an
appropriate slave unit and choosing a suitable packet size to overcome the
effect of interfering sources, if any, in the pico-cell.

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